| Ind | ex of | Claims |  |
|-----|-------|--------|--|
|     |       |        |  |
|     |       |        |  |

| Application/Control I | 10. |
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10/766,035

Examiner

Jeffrey D. Lane

Applicant(s)/Patent under Reexamination

ANDO ET AL.

Art Unit

2828

| <b>7</b> | Rejected |
|----------|----------|
| II       | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0 Objected

|          |          | L  |              |  |  |  | J  |              | L            | _  |     |       |          |          |              |          |              | )  | <u> </u> | L            | -  | _        |
|----------|----------|--|--------------|--|--|--|--|--------------|--------------|--|-----|-------|----------|----------|--------------|----------|--------------|--|----------|--------------|--|----------|
| Cla      | aim      |  |              |  | -  | Date   | <u> </u>   |              |              | _  | 1 1 | Cla   | aim      | Γ-       | _            |          |              | Date   | e.       | _            |  | _        |
| Finat    | Original | 1/18/06  |              |  |  |  |  |              |              |  |     | Final | Original |          |              |          |              |  |          |              |  |          |
| $\vdash$ | 1        | 1  |              | -  | $\vdash$   | H  |  | H            |              | -  |     |       | 51       | Н        |              |          | H            |  | _        |              | $\vdash$   | ┝        |
|          | 2        | 1  |              |  | ┢  | Т  | $\vdash$   | 1            | _            | $\vdash$                                     | il  |       | 52       | Н        |              |          |              |  |          |              |  | Г        |
|          | 3        | 1  |              |  | Г  | 1  | T  |              |              |  | ĺ   |       | 53       | П        |              |          |              | Г  | Г        |              |  | Г        |
|          | 4        | 1  | $\Box$       |  |  |  |  |              |              |  | i I |       | 54       | П        |              |          |              |  | Г        |              | Γ  |          |
|          | 5        | V  |              |  |  |  |  |              |              |  |     |       | 55       |          |              |          |              |  |          |              |  |          |
|          | 6        | 0  |              |  |  |  |  |              |              |  |     |       | 56       |          |              |          |              |  |          |              |  |          |
|          | 7        | 0  | $oxed{oxed}$ |  |  |  |  |              |              |  |     |       | 57       |          |              |          |              | L  |          | <u> </u>     | 匚  | _        |
|          | 8        | 1  | L            | 匚  |  |  | _  |              |              |  |     |       | 58       | Ш        |              |          | ᆫ            |  |          | _            | L  | L        |
|          | 9        | 1  | 匚            | _  | L  | <u> </u>   | _  | L            |              |  |     |       | 59       | Ш        |              |          | L.           | _  |          | <u> </u>     | <u> </u>   | L        |
|          | 10       | V  | ╙            | <u> </u>   |  | _  | _  | ļ            | _            | <u> </u>                                     |     |       | 60       | Н        |              |          | <u> </u>     | _  | _        | _            | _  | L        |
|          | 11       | 1  | <u> </u>     | ⊢  | <u> </u>   | ┞  | <u> </u>   | ┞.           | <u> </u>     | <u> </u>                                     |     |       | 61       | Ш        |              |          | <u> </u>     | <u> </u>   | <u> </u> | _            | <del> </del>                                     | ⊢        |
|          | 12       | 0  | ├-           | ⊢  | -  | ├  | ├  | <u> </u>     |              | <u> </u>                                     |     |       | 62       | Н        |              |          | ⊢            | -  | ⊢        | <b>-</b>     | ⊢  | ⊢        |
| <b>—</b> | 13<br>14 | 0  | ⊢            | $\vdash$   | $\vdash$   |  | ├—   | ├            | -            | $\vdash$                                     |     |       | 63<br>64 | Н        |              | -        | -            | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ |
|          | 15       | 7  | ⊢            | ⊢  | ⊢  | -  | ├  | ├            | -            | ┝  |     |       | 65       | Н        | _            |          |              | ⊢  | ├        | ├            | -  | ⊢        |
| -        | 16       | V  | ┢            | ┝  | ╁╾   | ╁─╴  | <del> </del>                                     | -            | ┝            | ┝  |     |       | 66       | Н        | _            | -        | H            | H  | ┢        | ╁╌           | <del> </del>                                     | H        |
| <b></b>  | 17       | 1  | ┢┈           | ┢  | ╁╌   | ╁─   | -  | _            | -            | $\vdash$                                     | 1   |       | 67       | $\vdash$ | _            | _        | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$     | H  | ┢        |
| <b>-</b> | 18       | V  | H            | H  | <del>                                     </del> | $t^-$  | Н  | $\vdash$     | <del> </del> | Н  | 1   |       | 68       | П        |              |          |              | ┢  | ┢        |              |  | r        |
|          | 19       | 1  | Т            | $\vdash$   | $\vdash$   | $\vdash$   | 1  |              | T            |  | 1   |       | 69       |          |              |          |              | Г  | $\vdash$ |              | Г  | Г        |
|          | 20       | 1  | T            | T  | t  | T  |  |              | Τ            |  | 1   |       | 70       |          |              | _        |              |  |          |              |  | Г        |
|          | 21       | Π  | Τ            |  | Π  |  |  |              |              |  |     |       | 71       |          |              |          |              |  |          |              |  |          |
|          | 22       |  |              |  |  |  |  |              |              |  |     |       | 72       |          |              |          |              |  |          |              | L  |          |
|          | 23       |  |              |  |  |  |  |              |              |  |     |       | 73       |          |              |          |              |  |          |              |  |          |
| <u></u>  | 24       |  | 乚            | _  | _  | <u> </u>   |  | L            | L            |  |     |       | 74       | Ш        |              |          |              | ᆫ  | <u> </u> | _            | _  | L        |
|          | 25       | _  | <u> </u>     | _  | _  | <u> </u>   | L_   | <u> </u>     | _            | <u> </u>                                     |     |       | 75       |          | _            | _        | _            | <u> </u>   | _        | _            | _  | L        |
| ļ        | 26       | <u> </u>   | <u> </u>     | L  | <u> </u>   | <u> </u>   | _  | _            | _            | <u>                                     </u> |     |       | 76       | 1        |              |          | <u> </u> _   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>   | ┞        |
|          | 27       | <u> </u>   | <u> </u>     | <u> </u>   | ⊢  | ⊢  | $\vdash$   | _            |              | <u> </u>                                     |     |       | 77       | 1        |              |          | <del> </del> | ├  | ├        | ⊢            | ├  | ⊬        |
|          | 28<br>29 | ⊢  | ⊢            | ⊢  | ┝┈   | ├  | -  | _            | ⊢            | <u> </u>                                     |     |       | 78<br>79 | $\vdash$ | _            | _        | $\vdash$     | ├  | ⊢        | ⊢            |  | ⊦        |
|          | 30       | -  | H            | ⊢  | ├-   | ╁  | $\vdash$   |              | ⊢            | ├─   |     |       | 80       | $\vdash$ |              |          | -            | ┢  | ┢        | ⊢            | -  | ⊬        |
|          | 31       | ├─   | ⊢            | -  | ⊢  | ╁  | ┢  | ┢            | -            | ┝  |     |       | 81       | $\vdash$ |              |          | ┢            | ┢  | -        | $\vdash$     | -  | H        |
|          | 32       | -  | H            | <del>                                     </del> | ╁  | ╁  | ┢  | ┢            |              | $\vdash$                                     | 1   |       | 82       | Н        |              |          | $\vdash$     | Н  | $\vdash$ | $\vdash$     | ┢╾   | ┢        |
|          | 33       | -  | -            | $\vdash$   | <del>                                     </del> | ┢  | $\vdash$   |              | -            | $\vdash$                                     | 1   |       | 83       | 1        |              | _        |              | Н  | Н        | $\vdash$     | _  | ┢        |
|          | 34       | $\vdash$   | Т            |  | 1  | ┢  |  | $\vdash$     |              |  |     |       | 84       | Ш        |              | -        |              |  | Г        |              |  | Г        |
|          | 35       | Г  | Г            | <u> </u>   |  |  |  | Г            |              |  | 1   | -     | 85       |          |              |          |              |  |          |              |  |          |
|          | 36       |  |              |  |  |  |  |              |              |  |     |       | 86       |          |              |          |              |  |          |              |  |          |
|          | 37       |  |              |  |  |  |  |              |              |  |     |       | 87       |          |              |          |              |  |          |              |  |          |
|          | 38       |  | 匚            |  | $\Box$   |  | 匚  | _            | _            | <u> </u>                                     |     |       | 88       | Ш        | L            |          | _            | _  | <u> </u> | <u> </u>     |  | L        |
|          | 39       | _  | 匚            | L  | L  | L_   | <u> </u>   | <u> </u>     | _            |  |     |       | 89       | Щ        |              |          | _            | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>   | 1        |
|          | 40       | <u> </u>   | <u> </u>     | _  | _  | <u> </u>   | <u> </u>   | _            | <u> </u>     | <u> </u>                                     |     |       | 90       |          |              |          | -            | ⊢  | L        | <u> </u>     | <u> </u>   | $\vdash$ |
| <u></u>  | 41       | <b>—</b>   | <u> </u>     | <u> </u>   |  | <u> </u>   | <b>—</b>   | <del> </del> | <u> </u>     | <u> </u>                                     |     |       | 91       | Н        | _            |          | <u> </u>     | $\vdash$   | $\vdash$ | -            | $\vdash$   | $\vdash$ |
|          | 42       | -  | ├-           | ├-   | ├  | <del> </del>                                     | -  | <del> </del> | -            | <u> </u>                                     |     |       | 92<br>93 | $\vdash$ | -            | _        | -            | $\vdash$   | $\vdash$ | $\vdash$     | ⊢  | ⊦        |
| $\vdash$ | 43       | $\vdash$   | $\vdash$     |  | ├  | ├-   | <del> </del>                                     | <del> </del> | -            | ⊢  |     |       | 94       | $\vdash$ | -            | -        | -            | <del>                                     </del> | -        | <del> </del> | ├  | -        |
|          | 45       | <del>  -</del>                                   | <del> </del> | -  | $\vdash$   | ⊢  | -  | ┢            | ⊢            | ⊢  |     |       | 95       | -        | <del> </del> | -        | -            | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ |
| -        | 46       | <del>                                     </del> | 1            |  | -  | 1  | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$                                     |     |       | 96       | $\vdash$ | H            | -        | _            | 1  | ┰        | $\vdash$     | $\vdash$   | T        |
|          | 47       | H  | Н            | -  | $\vdash$   | <del>                                     </del> | <del>                                     </del> | _            |              | <del> </del>                                 |     |       | 97       | Н        |              | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | Т            | <del>                                     </del> | T        |
|          | 48       |  | Т            | Т  |  | T  | Т  | Г            | $\vdash$     | $\vdash$                                     |     |       | 98       | П        |              | Т        |              | Г  | 1        | Ι_           | 1  | Γ        |
|          | 49       |  |              |  | Г  |  |  |              |              |  | ]   |       | 99       |          |              |          |              |  |          |              |  |          |
|          | 50       |  | L            |  |  |  |  |              |              |  | ]   |       | 100      |          |              |          |              |  |          |              |  |          |
|          |          |  |              |  |  |  |  |              |              |  | . ' |       |          |          |              |          |              |  |          |              |  |          |

|          |                            |  | _        |          | _           |          |          |          | _  |              |  |
|----------|----------------------------|--|----------|----------|-------------|----------|----------|----------|--|--------------|--|
| Cla      | Date                       |  |          |          |             |          |          |          |  |              |  |
| Final    | Original                   |  |          |          |             |          |          |          |  |              |  |
|          |                            | _  |          |          |             |          |          |          | $\vdash$   |              |  |
|          | 51                         |  |          | H        | Щ           | _        |          |          | $\vdash$   | _            |  |
| -        | 52<br>53                   |  | _        | -        |             |          |          |          | -  | _            |  |
|          | 54                         |  | _        | -        | H           |          |          | -        | -  | -            |  |
| -        | 54<br>55                   |  | _        |          | Н           |          |          |          |  | $\vdash$     |  |
|          | 56                         | -  | _        | -        |             |          |          | -        | $\vdash$   | $\vdash$     |  |
|          | 57                         |  | -        | -        |             |          |          |          |  | <u> </u>     |  |
|          | 57<br>58                   |  |          |          | П           |          |          |          | $\vdash$   | Т            |  |
|          | 59                         |  |          |          |             |          |          |          |  |              |  |
|          | 60                         |  |          |          |             |          |          |          |  |              |  |
|          | 61                         |  |          |          |             |          |          |          |  |              |  |
|          | 62                         |  |          |          |             |          |          |          |  |              |  |
|          | 63                         |  |          |          |             |          |          |          |  |              |  |
|          | 64                         |  |          |          |             |          |          |          |  |              |  |
|          | 65                         |  |          |          |             |          | <u> </u> |          | <u>L</u> .                                       |              |  |
| L        | 66                         | _  | _        |          |             |          |          |          |  | <u> </u>     |  |
| <u> </u> | 67                         |  |          |          |             |          |          |          |  | _            |  |
|          | 68<br>69                   |  | _        | _        |             |          | _        |          | <u> </u>   | _            |  |
| <u> </u> | 69                         |  | <u> </u> | _        | _           | _        | _        | _        |  | _            |  |
| <u> </u> | 70                         |  | <u> </u> |          | _           | <u> </u> | _        |          | -  | -            |  |
| ├—       | 71                         |  |          | _        | Н           |          | <u> </u> |          | _  | -            |  |
| <u> </u> | 72                         | _  |          | -        | _           |          | _        | -        |  | -            |  |
|          | 71<br>72<br>73<br>74<br>75 |  | H        |          | $\vdash$    | -        | $\vdash$ | H        | _  | ⊢            |  |
|          | 75                         |  | _        | $\vdash$ | -           | $\vdash$ | $\vdash$ | -        | ┝  | ┝╌           |  |
| <u> </u> | 76                         |  | _        | -        | $\vdash$    |          |          |          |  | ┝            |  |
|          | 76<br>77                   | _  | ┢─       | -        | $\vdash$    | -        | $\vdash$ | $\vdash$ | ┢  | ┝            |  |
| $\vdash$ | 78                         |  | _        |          | $\vdash$    | _        | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     |  |
|          | 79                         |  | $\vdash$ |          |             | _        | $\vdash$ | Н        |  | -            |  |
|          | 80                         |  |          |          |             | $\vdash$ | $\vdash$ |          |  |              |  |
|          | 81                         | _  |          |          |             |          |          |          |  |              |  |
|          | 82                         |  |          |          |             |          |          |          |  |              |  |
|          | 83                         |  |          |          |             |          |          |          |  |              |  |
|          | 84<br>85                   |  |          |          |             |          |          |          |  |              |  |
|          | 85                         |  |          |          |             | L        |          |          | L  | L            |  |
|          | 86                         |  |          |          |             | L        |          |          |  | L.           |  |
|          | 87                         |  | _        |          |             |          | Щ        |          | _  |              |  |
| <u> </u> | 88                         | _  | L        |          | _           | _        | _        | _        | _  | _            |  |
| <u></u>  | 89                         | _  |          | _        |             |          | _        | <u> </u> | _  | <u> </u>     |  |
| <u> </u> | 90                         |  | <u> </u> | _        | _           |          | $\vdash$ |          |  | <u> </u>     |  |
|          | 91                         | _  | <u> </u> | -        | $\vdash$    |          | <u> </u> | -        | -  | <u> </u>     |  |
| -        | 92                         |  | _        | -        | Н           |          |          | ┝        | _  | _            |  |
| -        | 93<br>94                   | -  | $\vdash$ | -        | -           | -        |          | ⊢        | ├  | -            |  |
| -        | 95                         |  | $\vdash$ |          | -           | $\vdash$ | H        | $\vdash$ | $\vdash$   | <del> </del> |  |
| <b>—</b> | 96                         | $\vdash$   | H        | -        | -           | ┢        | $\vdash$ | H        | $\vdash$   | $\vdash$     |  |
| $\vdash$ | 97                         | -  | -        | $\vdash$ |             | $\vdash$ | -        | -        | <del>                                     </del> | <del> </del> |  |
| h        | 98                         | <del>                                     </del> | $\vdash$ | $\vdash$ | <del></del> |          | -        | ┢        | <del>                                     </del> | $\vdash$     |  |
| <u> </u> | 99                         | $\vdash$   | -        | $\vdash$ |             |          | $\vdash$ | Т        | I  | <u> </u>     |  |
|          | 100                        | $\vdash$   | _        | _        |             | _        | _        | _        | $\vdash$   | $\vdash$     |  |

| Cla   | aim                                    |          |              |          |          | Date     | <br>e        |          |          | $\neg$   |
|-------|--|----------|--------------|----------|----------|----------|--------------|----------|----------|----------|
|       |  |          |              |          |          |          |              |          |          | П        |
| Final | Original                               |          |              |          |          |          |              |          |          |          |
|       | 101<br>102<br>103<br>104<br>105        |          |              |          |          |          |              |          |          |          |
|       | 102                                    |          |              |          | Щ        |          | _            | _        |          | Ш        |
|       | 103                                    |          |              |          |          | _        | <u> </u>     |          |          | Ш        |
|       | 104                                    | _        | _            | _        |          | _        | -            | <u> </u> |          | Ш        |
|       | 105                                    | -        |              |          | -        | -        | <u> </u>     | -        |          |          |
|       | 106                                    |          |              | _        |          | _        | <del> </del> | -        | -        |          |
|       | 107                                    |          |              | -        | -        |          | $\vdash$     |          | -        | Н        |
|       | 107<br>108<br>109                      | -        | _            | _        |          |          | $\vdash$     |          |          | -        |
|       | 110                                    |          |              |          | -        |          | $\vdash$     |          |          | -        |
|       | 110<br>111                             |          |              |          |          |          | $\vdash$     |          |          | П        |
|       | 112                                    |          |              |          |          |          |              |          |          |          |
|       | 112<br>113                             |          |              |          |          |          |              |          |          |          |
|       | 114                                    | Ш        | $oxed{\Box}$ | Ш        |          | _        | L            |          |          | Ш        |
|       | 115                                    | Щ        | _            | L.       | L        | _        | <u> </u>     |          | _        | Щ        |
|       | 116                                    |          |              | _        |          |          | <u> </u>     | _        |          | Н        |
|       | 117                                    |          |              |          |          |          | <u> </u>     |          | _        | Н        |
| -     | 118<br>119                             |          |              | _        |          |          |              |          | -        | Н        |
|       | 120                                    | -        | <u> </u>     | <u> </u> | -        |          |              | -        |          | Н        |
|       | 121                                    | $\vdash$ | <del> </del> |          | _        |          | -            | $\vdash$ | _        | H        |
|       | 122                                    | -        | _            |          | _        |          | $\vdash$     |          |          |          |
|       | 123                                    |          | _            |          |          |          |              |          |          | П        |
|       | 120<br>121<br>122<br>123<br>124<br>125 |          |              |          |          |          |              |          |          | П        |
|       | 125                                    |          |              |          |          |          |              |          |          |          |
|       | 126                                    |          |              |          |          |          |              |          |          |          |
|       | 127                                    |          |              | _        |          | _        |              |          |          | Ш        |
|       | 126<br>127<br>128<br>129<br>130<br>131 |          |              | <u> </u> | _        | _        | L.           | <u> </u> |          | <u> </u> |
|       | 129                                    | _        |              |          |          | _        |              | _        | _        | _        |
|       | 130                                    | <u> </u> | _            | <u> </u> | _        |          |              | $\vdash$ | -        | -        |
|       | 132                                    |          | <u> </u>     | <u> </u> | -        |          |              | $\vdash$ | -        | Н        |
|       | 133                                    |          | <u> </u>     | $\vdash$ | _        | _        |              | $\vdash$ | $\vdash$ | H        |
|       | 134                                    | $\vdash$ | _            | _        |          |          | -            | $\vdash$ | $\vdash$ | Н        |
|       | 135                                    |          |              |          | _        |          |              |          |          |          |
|       | 136                                    |          |              |          |          |          | Г            |          |          |          |
|       | 137<br>138                             |          |              |          |          |          |              |          |          |          |
|       | 138                                    |          |              |          |          |          |              |          | L        |          |
|       | 139                                    |          |              |          |          |          | L            | _        | _        | $  \_  $ |
|       | 140                                    |          | <u> </u>     | <u> </u> | <u> </u> |          | <u> </u>     | ļ        | _        |          |
|       | 141                                    | $\vdash$ | <u> </u>     | <u> </u> | <u> </u> |          | $\vdash$     | <u> </u> | H        | Н        |
|       | 142<br>143                             | <u> </u> | <u> </u>     | _        | _        | -        | $\vdash$     | -        | -        | $\vdash$ |
|       | 143                                    | H        | <u> </u>     | _        | -        |          | <del> </del> | $\vdash$ | $\vdash$ | Н        |
|       | 145                                    | -        |              | $\vdash$ | <u> </u> |          | $\vdash$     |          | $\vdash$ | Н        |
|       | 146                                    | -        | Ь            | Н        | _        | $\vdash$ | -            | Н        | -        | H        |
|       | 147                                    |          |              | _        | -        | H        |              |          | Г        | П        |
|       | 148                                    |          |              |          |          |          | Γ            |          |          |          |
|       | 149                                    |          |              |          |          |          |              |          |          |          |
|       | 150                                    |          |              |          |          |          |              |          |          |          |